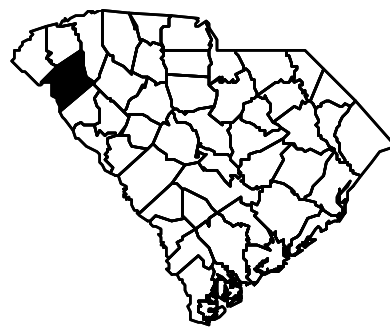


# ASTHMA IN ANDERSON COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

(May 2003)

## Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

## Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2001, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

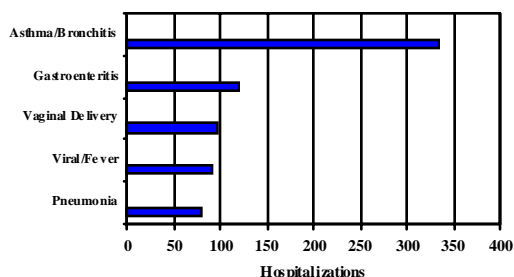
## Impact of Asthma in Anderson County

- About 11,829 (7.0%) adults in Anderson county suffer annually from asthma.
- In 2001, there were 351 hospitalizations for asthma in Anderson county for all ages.

## Children Suffer the Most from Asthma

- Asthma/Bronchitis is the leading cause of hospitalization in Anderson county for children under the age 18.

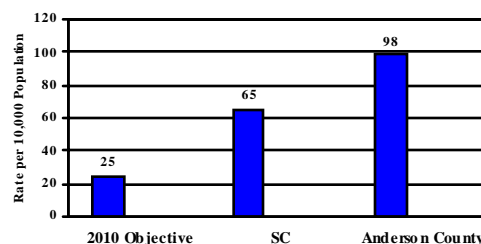
Leading Causes of Hospitalization in Children Aged 0-18, Anderson County, 2001



Data Source: Office of Research & Statistics

- In 2001, there were 160 asthma hospitalizations of children (<18 years) in Anderson county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Anderson county had a rate of 98 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Anderson County, 2001

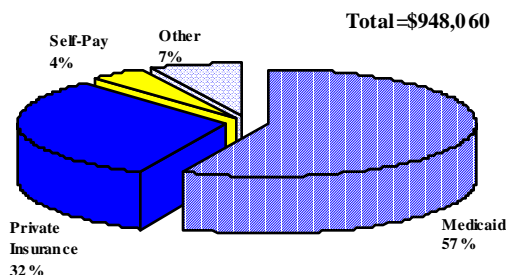


Data Source: Office of Research & Statistics

## Cost of Asthma

- \$948,060 was charged in 2001 for hospital and ER visits in Anderson county for asthmatic children (<18 years).
- Medicaid covered nearly 57% of these charges.

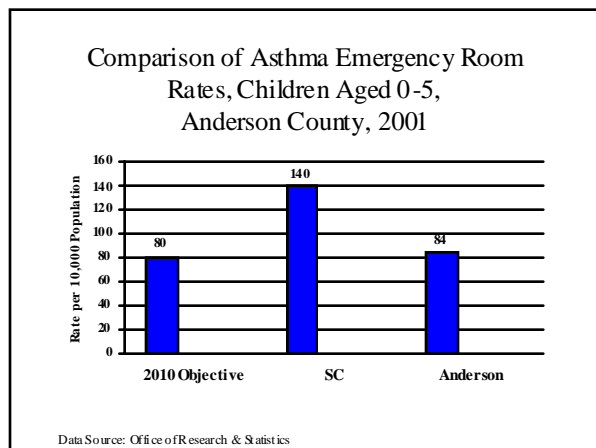
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Anderson County, 2001



Data Source: Office of Research & Statistics

## Emergency Room

- 247 children under the age of 18 visited the ER due to asthma in Anderson county in 2001. This represents 32% of all ER visits due to asthma.
- \$139,880 was charged for ER visits in Anderson county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Anderson county had an ER rate of 84 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

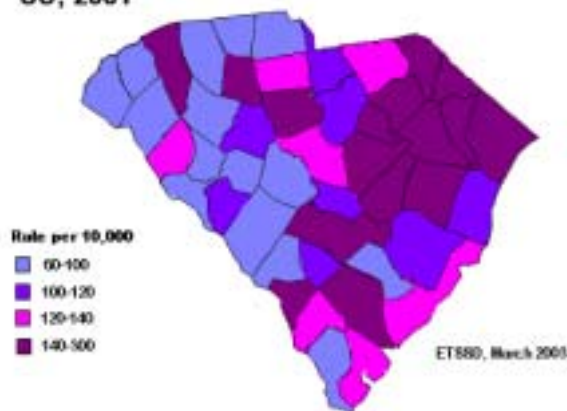


## Disparities

- Non-white children under the age of 18 visit ER more frequently than white children in the same age group.
- The hospitalization rate among non-white children is twice to thrice as often as white children.

Hospital and Emergency Room Rates per 10,000 Children (<18 years), 2001				
	Anderson County	South Carolina		
	White	Non-white	White	Non-white
Hosp.	29.2	69.7	30.5	157.9
ER	19.2	41.5	46.0	155.6

Asthma Related Hospital and ER Visits Rate for Children Younger than 18 SC, 2001



### For more information on asthma contact:

SC DHEC Data Sources:

#### Behavior Risk Factor Surveillance System

Bureau of Epidemiology  
(803) 545-4920

#### Vital Records

Division of Biostatistics  
(803) 898-3649

#### Bureau of Air Quality

Outreach Section  
(803) 898-4467

[www.scdhec.net](http://www.scdhec.net)

Generated By:

Epi Technical Support and Services Division  
Bureau of Epidemiology

### Hospital discharges and ER visits, contact:

Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958



[www.orss.state.sc.us/hd](http://www.orss.state.sc.us/hd)

